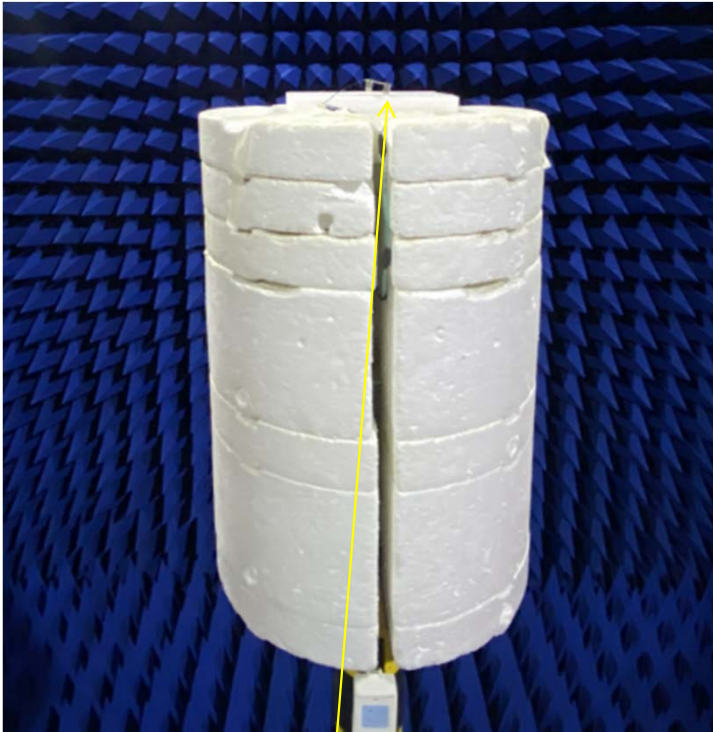


Antenna Study

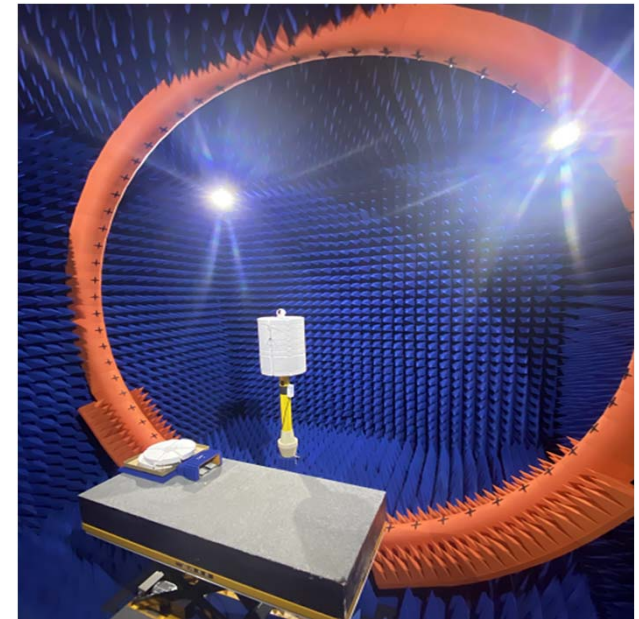
- **Client Name: CASpart**
- **Project Name : ELECTRIC GOLF PUSH CART**
- **Debugging frequency band: 6000-7000HMz**
- **Valuation date: 2024.04.22**

Internal Antenna

Dongguan UB Electronics Co., Ltd



Testing environment



Testing 3D microwave darkroom(6m*6m*6m)

External Antenna

Dongguan UB Electronics Co., Ltd

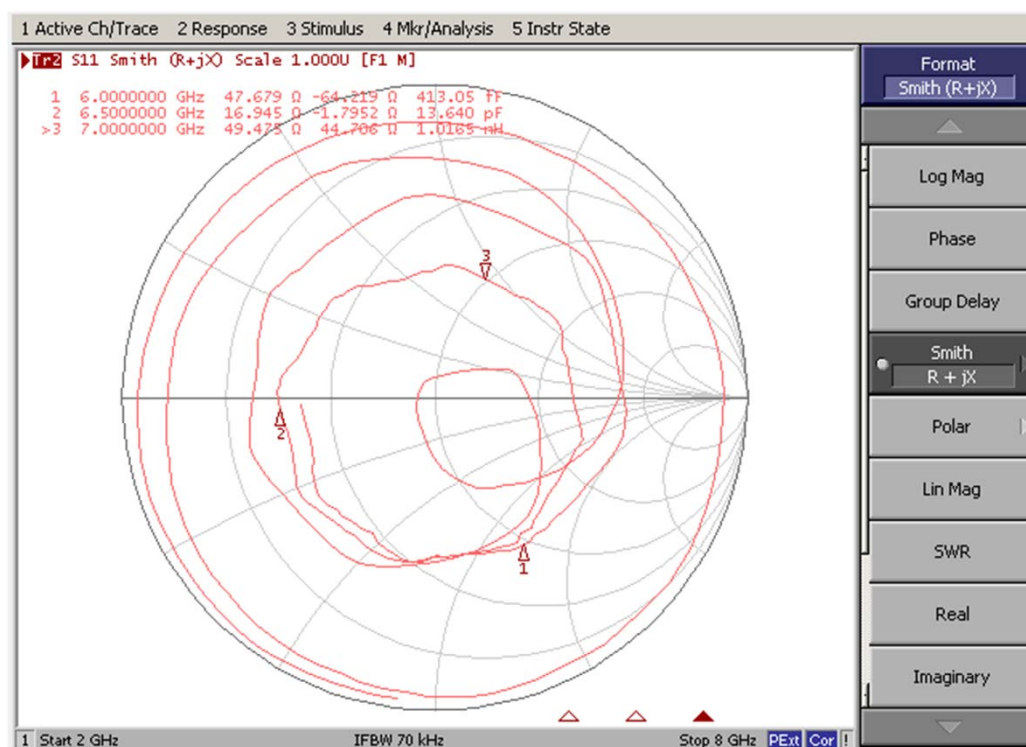
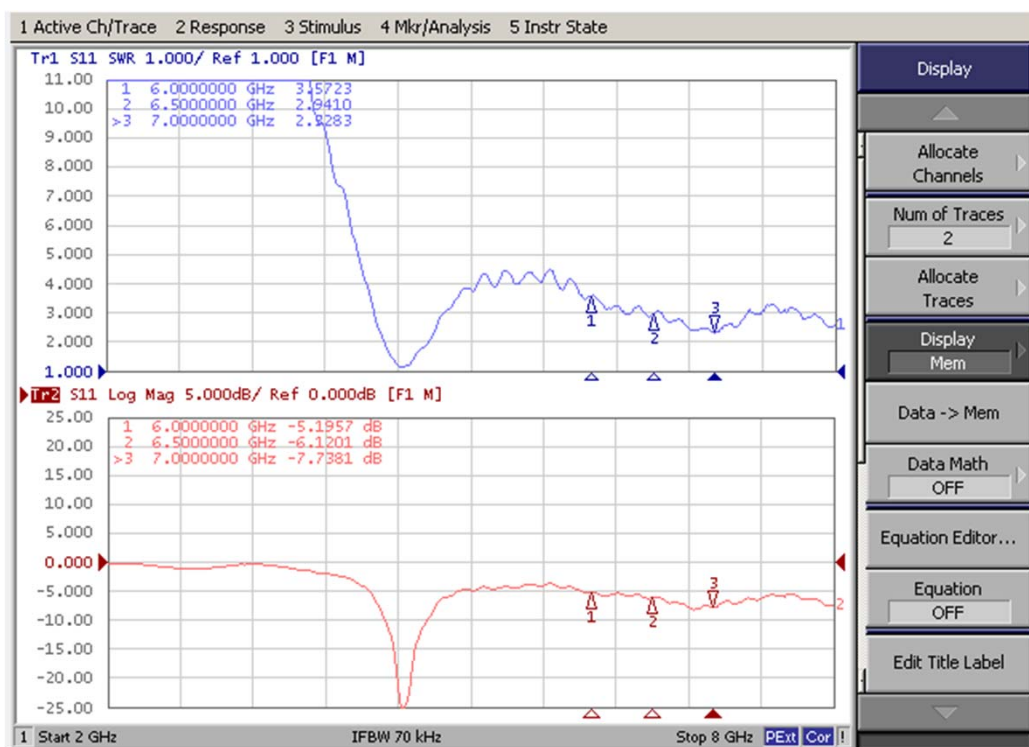


Antenna

- Antenna name: 6G/7G
- Antenna Type: Internal
- Covers : 6000/7000MHz

S Parameter_Return Loss&VSWR-Smith

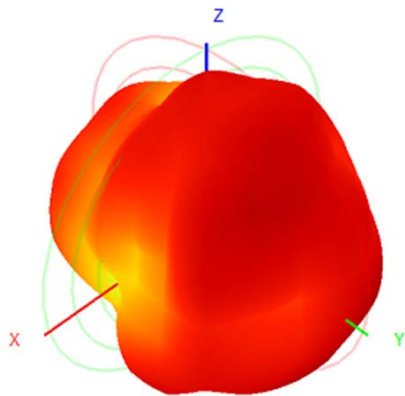
Dongguan UB Electronics Co., Ltd



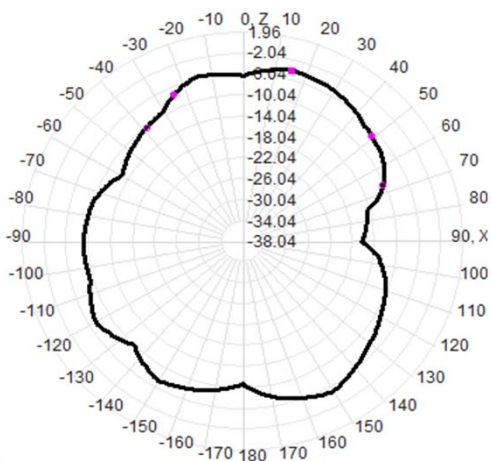
Efficiency and Gain

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	6000.0	6050.0	6100.0	6150.0	6200.0	6250.0	6300.0	6350.0	6400.0	6450.0	6500.0	6550.0	6600.0	6650.0	6700.0	6750.0	6800.0	6850.0	6900.0	6950.0	7000.0
Gain (dBi)	1.96	1.30	1.79	1.86	1.87	1.98	1.14	1.27	1.37	1.60	1.91	1.01	1.48	1.12	1.76	1.17	1.89	1.33	1.55	1.71	1.06
Efficiency (%)	45.71	59.27	44.72	59.08	58.46	48.81	59.03	59.10	49.19	59.88	54.72	55.60	59.02	54.17	63.27	63.55	62.87	67.66	66.22	72.78	63.75

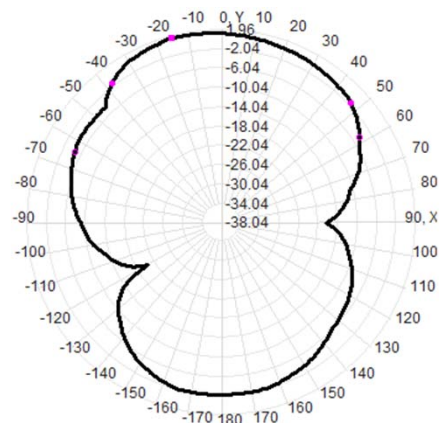
2D/3D方向图



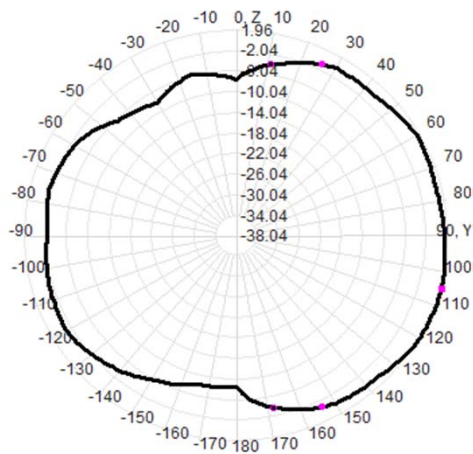
远场方向图



E1-XZ



H-XY



E2-YZ